



KOREAN PATENT ABSTRACTS

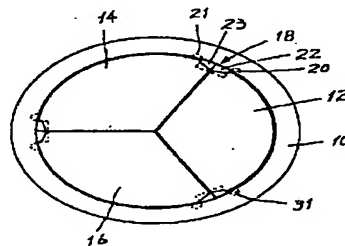
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(54) VALVE OF ARTIFICIAL HEART

(57) Abstract:

PURPOSE: A valve of the artificial heart of a mechanical type is provided which discharges the blood to be sent to the aorta from a symmetrical center at the circumference like the artificial heart of a natural type by using a valve which has a thick center and a periphery of thin streamline instead of the prior valve being a plate form.



CONSTITUTION: The valve of the artificial heart comprises a housing (10) of a ring form and three fan-shape valves (12, 14, 16). The housing (10) has the three stoppers (18) formed in the position of a three-dimensional symmetry and the supporting grooves (20, 21) formed in both sides of the stopper. The top side of the stopper (18) has two inclined sides (22, 23). The front side and both lateral sides of the stopper are inclined toward the inner periphery wall of the supporting ring. Preferably, the housing and the valves are made with a metal, a synthetic resin or carbon harmless to a human. The valves is characterized by having a thick center and a periphery of thin streamline to smoothly circulate blood.

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